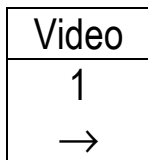


ECT100 SERIES

ECT100B-L SINGLE CHANNEL VIDEO WITH 26 MHZ BANDWIDTH AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



The ECT100B-L system provides high performance link for unidirectional transmission of composite video signal over a fiber optic cable. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 26 MHz. The system is designed for transmission of high resolution video signals (700+ TVL) and other special applications that may require wide band transmission path.

The ECT100B-L transmitter/receiver are fully compatible with any ECT200B or ECT400B type systems allowing for mixed configurations when required.

The ECT100B-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

100BS-VT-M1Z-L – transmitter module
 100BS-VR-M1Z-L – receiver module

Z = FC, ST, SC for optical connectors

Note: The specifications are subject to change without notice.

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 26 MHz Video Bandwidth
- ❑ Balanced Video Input
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Power and Signal Status Indicators

Operating Wavelength	1550 nm
Optical Core Diameter	8/10µ
Optical Power Source	DFB Laser
Optical Power Output	0 (+/- 0.5) dBm
Receiver Sensitivity	-44 dBm
Optical Connectors	ST, SC, FC

Video Bandwidth @ 2 dB	10Hz - 26 MHz
Video Input	75 Ohm universal: balanced or unbalanced
Video Input/Output Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio*	64 dB
Differential Gain*	< 3%
Differential Phase*	< 3°
Field Tilt	< 1 %
Luminance Non-Linearity	< 3%
Power Requirements	11 - 14 VDC @ 150 mA, 21 - 27 VAC @ 100 mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions (w/o connectors):	
Transmitter	3.20"(81mm) x 3.72"(95mm) x 1.1"(28mm)
Receiver	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)

*measured as per RS-250C @ 1km optical cable and 10dB attenuation.



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